

Application

The aluminium heating ring is designed for dismantling inner rings of cylindrical roller bearings. They are available for all bearing sizes of the NU, NJ and NUP series, i.e. bearings without flanges or with only one flange on the inner ring.

The rings are available as standard for the following bearing sizes:

- 204 to 252
- 304 to 340
- 406 to 430

Description

The aluminium rings are used to transfer thermal energy from a secondary heating source into the inner ring of a cylindrical roller bearing.

After being heated the aluminium ring is clamped around the bearing ring. Heat will then flow into the bearing which will expand and can consequently be dismantled. For bores below 200 mm (7.9 in) no special locking device is necessary but the ring can be pressed together manually, using the three handles. For bigger sizes a special locking device is provided (figure 1).

Heating rings for special bearings such as NNU-type can be made on request.



Technical data

Designation	TMBR 'Bearing designation'; (e.g. TMBR NU216E)
Material	Aluminium
Maximum temperature	300 °C (572 °F)

Operating instructions

For dismantling the bearing inner ring, coat the raceway with a heat transferring oil or paste. Heat the aluminium ring to approximately 280 °C (540 °F) by means of a hot plate or open fire.

Place it around the bearing inner ring and press the handles together. Wait for a short time, then try to rotate the tool with the ring until it comes loose from the shaft.

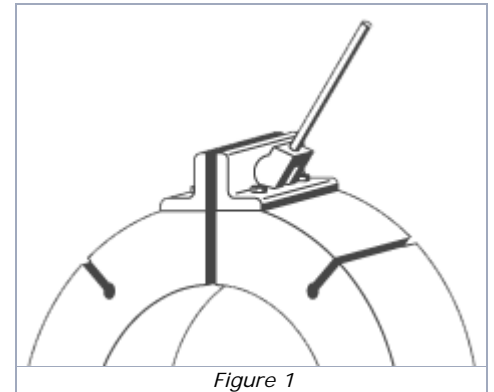


Figure 1

